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CLASSIFICATION		SECRET	REPORT
CENTRAL INTELLIGENCE AGENCY			
INFORMATION REPORT			
COUNTRY	USSR	DATE DISTR.	18 Oct 1954
SUBJECT	USSR Registry Inspection Regulations for Various Apparatus Operating Under Pressure	NO. OF PAGES	3
PLACE ACQUIRED		NO. OF ENCLS. (LISTED BELOW)	50X1-HUM
DATE ACQUIRED		SUPPLEMENT TO REPORT	
DATE OF INFORMATION			50X1-HUM

THIS IS UNEVALUATED INFORMATION

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1. All vessels (containers) which have or in which may be built up a pressure higher than 0.7 atmospheres are subject to the conditions of the present regulations with the following exceptions:
 - (a) Steam boilers, furnace flues, super-heaters and economisers, which are subject to special rules;
 - (b) Heating boilers, which are subject to special rules and steam and water heating instruments;
 - (c) Vessels (containers) in which the pressure cannot exceed 0.7 atmospheres;
 - (d) Vessels (containers) operating under vacuum.
2. A newly installed vessel may be set into motion only after authorization to do so has been obtained from the local inspection of the Registry. In order to obtain this authorization the vessel must first be registered with the inspection of the Registry so that it can be inspected.
3. A request for registration of a vessel (container) must be accompanied by the following:
 - (a) The log book (passport)
 - (b) Blueprint of the vessel, in two copies;
 - (c) Description of the vessel and description of the technological process it develops;
 - (d) A schematic sketch of the area where the vessel is scheduled to be installed.
4. If the vessel (container) was assembled by means of welding the following data must be submitted as well:

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- (a) Results of test on fused metal together with an indication of the welding method used;
 - (b) Results with specimens of welding joints cut from test plates and welded simultaneously with the making of the vessel;
 - (c) Name of the welder, number and date of his work certificate;
 - (d) Results of X-Ray examination (findings of the plant laboratory on results of the X-ray examination);
 - (e) Results of metallographic analysis of seams if such an analysis was made;
 - (f) Aspect of thermal treatment (normalization or tempering);
 - (g) Results of hydraulic test at the manufacturing plant.
5. When the vessel is transferred to another enterprise, the log book (passport) must accompany it.
 6. Every vessel which is subject to control by the present regulations, whether it is in motion continuously or whether it operates only periodically, must be subjected to a complete technical examination when it is installed, re-arranged or changed materially from its original design until the time it is set in motion, but it must also be subjected to a periodical technical examination carried out by the Inspection of the Registry.
 7. External inspection is made not less than once a year without stopping the vessel's operation and without notification of the management of the enterprise which owns the vessel as to the time the inspection will be made.
 8. The hydraulic test with the necessary internal inspection (if the latter is feasible in-line with the design of the vessel) is made not less than once every six years.
 9. The internal inspection is made not less than once every three years. If internal inspection is not feasible due to the design of the vessel this inspection must be discarded in favor of a hydraulic test.
 10. The day for the hydraulic test and the internal inspection of the vessel is fixed by the management of the enterprise in coordination with the Inspection of the Register. For this purpose the vessel must be shut off not later than the time set for it by the book. The management of the enterprise must notify the Inspection Office of the Register regarding the preparation of the vessel for inspection not later than 10 days before that date.
 11. If the inspector of the Registry fails to make his appearance for the inspection on the date agreed upon, the management of the enterprise, on its own responsibility, grants the right to its technical staff to inspect the vessel in accordance with applicable regulations.
 12. After this test the management of the enterprise may go ahead and set the vessel in motion. The results of the inspection and resumption of operation of the vessel are noted in the vessel's log book (passport) and signed by the persons who examined the vessel. A copy of this record is sent to the inspection office of the Register without delay.
 13. A vessel set in motion under these circumstances is subject to examination by the Inspector of the Registry not later than one year from the date it was set in motion and the date of this examination is set by the Registry in coordination with the management of the enterprise.
 14. The following rules apply when the vessel is subject to a hydraulic test:
 - (a) The hydraulic test of the vessel must be made under a pressure exceeding the working pressure one and a half times, but not less than for one atmosphere;
 - (b) The pressure to which the vessel is subjected during the test is gauged by the control manometer which must be supplied by the person who is in charge of the inspection;
 - (c) The pump for the hydraulic test must be supplied by the owner of the vessel;
 - (d) The test pressure is maintained for five minutes after which time it is lowered to the normal operating pressure at which examination of the vessel is made. In case it should be considered necessary, test pressure may be produced again.
 15. The armatures of the vessel are subjected to a hydraulic test at the same time as the vessel.
 16. The vessel is considered as having passed the hydraulic tests if in it:
 - (a) No evidence of a rupture is shown;

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(b) Leaks are not observed (so-called tearlets (alyenki) in riveted seams are not considered leaks);

(c) No residual deformities are in evidence

17.

If the vessel was subjected to alteration or repair consisting of applying a patch or lap or consisting of replacement of plates, soldering, welding, etc., the vessel must be subjected to a hydraulic test and internal examination before it can be set in motion.

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